Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: HIERARCHICAL REORDER BUFFERS FOR CONTROLLING SPECULATIVE EXECUTION IN A MULTI-CLUSTER SYSTEM

1st Named Inventor: Roni Rosner Express Mail No.: EV339917145US

Docket No.: 42P17037

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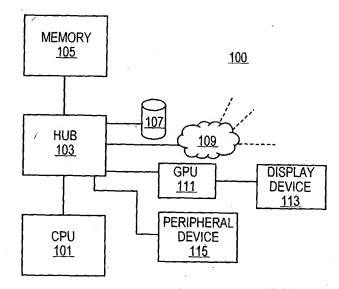


FIG. 1

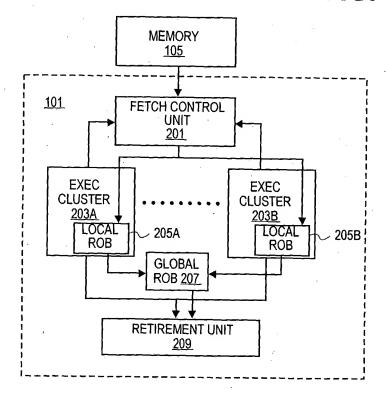


FIG. 2

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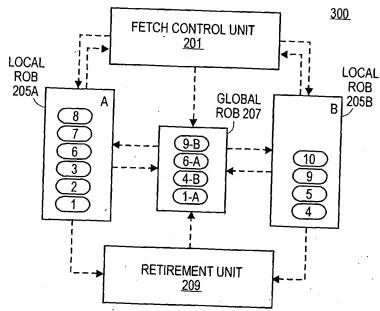


FIG. 3A

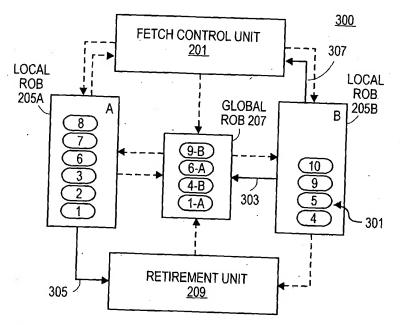


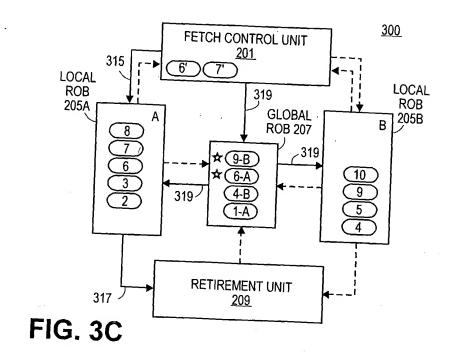
FIG. 3B

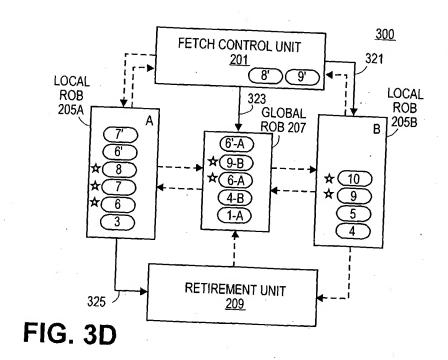
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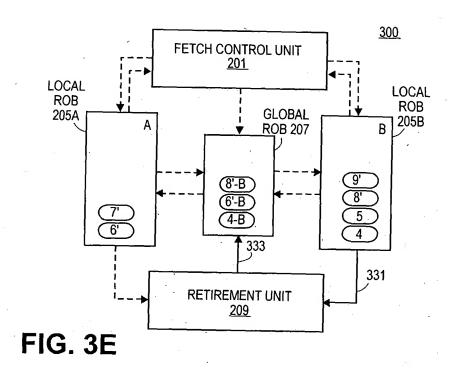


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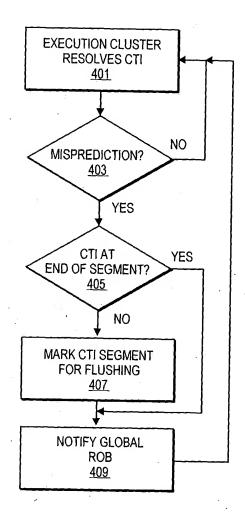


FIG. 4

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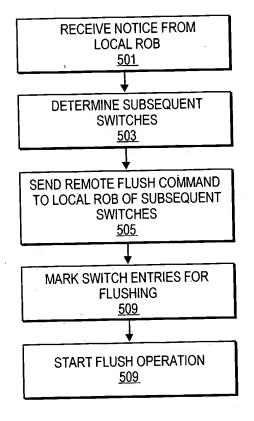


FIG. 5

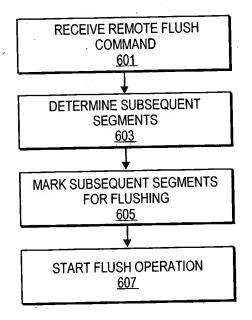


FIG. 6